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Substitute for form 1449 A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,713

Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: 3743 2121

Examiner Name: *M. H. O. (M)*

Attorney Docket Number: 05222.00175



(Use as many sheets as necessary)

Sheet 1 of 2

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
<i>MBAH</i>		US-4,622,013	11/11/1986	Cherchio	
<i>MBAH</i>		US- 4,874,784	10/17/1989	Clancey	
<i>MBAH</i>		US- 4,981,766	01/02/1990	Derr, et al.	
<i>MBAH</i>		US- 4,931,950	06/05/1990	Isle, et al.	
<i>MBAH</i>		US- 4,964,077	10/16/1990	Eisen, et al.	
<i>MBAH</i>		US- 4,977,529	12/11/1990	Gregg, et al.	
<i>MBAH</i>		US- 5,002,491	03/26/1991	Abrahamson, et al.	
<i>MBAH</i>		US- 5,170,464	12/08/1992	Hayes, et al.	
<i>MBAH</i>		US- 5,189,402	02/23/1993	Naimark, et al.	
<i>MBAH</i>		US- 5,208,745	05/04/1993	Quentin, et al.	
<i>MBAH</i>		US- 5,208,898	05/04/1993	Funabashi, et a	
<i>MBAH</i>		US- 5,239,617	08/24/1993	Gardner, et al.	
<i>MBAH</i>		US- 5,259,766	11/09/1993	Sack et al.	
<i>MBAH</i>		US- 5,267,865	12/07/1993	Lee, et al.	
<i>MBAH</i>		US- 5,310,349	05/10/1994	Daniels, et al.	
<i>MBAH</i>		US- 5,311,422	05/10/1994	Loflin, et al.	
<i>MBAH</i>		US- 5,317,688	05/31/1994	Watson, et al.	
<i>MBAH</i>		US- 5,326,270	07/05/1994	Ostby, et al.	
<i>MBAH</i>		US- 5,359,701	10/25/1994	Chiang, et al.	
<i>MBAH</i>		US- 5,372,507	12/13/1994	Goleh	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	2
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
<i>MBAH</i>		EP 0 689 132 A2	12/27/95	Laffra		
<i>MBAH</i>		EP 0 710 942 A2	05/08/96	Siefert		
<i>MBAH</i>		EP 0 710 942 A2	05/08/96	Siefert		
<i>MBAH</i>		EP 0 798 655 A2	10/01/97	Jervis, et al.		
<i>MBAH</i>		WO 00/04478	01/27/00	Jonsson		
<i>MBAH</i>		WO 97/44766	11/27/97	Cook		
<i>MBAH</i>		WO 98/03953	01/29/98	Simmons		
<i>MBAH</i>		WO 98/25251	06/11/98	Ho		
<i>MBAH</i>		WO 98/32109	07/23/98	De Lange		

Examiner Signature	<i>M. H. O. (M)</i>	Date Considered	07/25/05
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Group Art Unit: 2121

Examiner Name: M. HOCMES

Attorney Docket Number: 05222.00175



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Sheet 2 of       

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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MEBA		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
MEBA		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
MEBA		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html	
MEBA		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1996.	
MEBA		"A Special Section -- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
MEBA		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
MEBA		"DDD--A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
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MEBA		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

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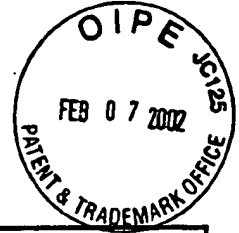
Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: ~~3440~~ 2121

Examiner Name: ~~MA~~ M-H-6CMTES

Attorney Docket Number: 05222.00175



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Sheet 4 of 1

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MBAL		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
MBAL		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
MBAL		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at <a href="http://www.calsci.com/Applications.html">www.calsci.com/Applications.html</a>	
MBAL		"KBLPS Overview" at <a href="http://www.cgi.com/CGIWEB/KBLPS/overindex4.html">www.cgi.com/CGIWEB/KBLPS/overindex4.html</a>	
MBAL		"Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-141	
MBAL		"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
MBAL		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
MBAL		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," <a href="http://www.centurionsys.com/rtci57.html">http://www.centurionsys.com/rtci57.html</a> , Aug. 1997	
MBAL		"Technical Report: Computer Aided Education and Training Initiative" at <a href="http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html">http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html</a>	
MBAL		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
MBAL		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

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**Application Number : 09/868,713**

**First Named Inventor:** Bertrand

Examiner Name: ~~Mr~~ M. HOCME

Attorney Docket Number: 05222.00175



Sheet 5 of 6

U.S. PATENT DOCUMENTS					
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MBAL		US-5,727,950	03/17/1998	Cook, et al.	
MBAL		US- 5,745,852	04/28/1998	Bigus	
MBAL		US- 5,772,446	06/30/1998	Rosen	
MBAL		US- 5,778,468	07/14/1998	Ho, et al.	
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MBAL		US- 5,799,292	08/25/1998	Hekmatpour	
MBAL		US- 5,806,056	09/08/1998	Hekmatpour	
MBAL		US- 5,810,747	09/22/1998	Brudney, et al.	
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MBAL		US- 5,868,575	02/09/1999	Kuczewski	
MBAL		US- 5,870,768	02/09/1999	Hekmatpour	
MBAL		US- 5,875,437	02/23/1999	Atkins	
MBAL		US- 5,889,845	03/30/1999	Staples, et al.	
MBAL		US- 5,893,123	04/06/1999	Tuinenga	
MBAL		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

[illegible]

**Date Considered**

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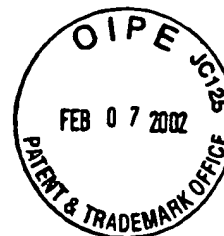
Group Art Unit: ~~3775~~ 2121

Examiner Name: ~~Mr~~ M. HOCMES

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Sheet 6 of 6



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MUBA		"Artificial Intelligence and Mathematics Education" at <a href="http://www.rand.org/hot/mcarthur/Papers/aied.html">http://www.rand.org/hot/mcarthur/Papers/aied.html</a>	
MUBA		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at <a href="http://www.nib.unicamp.br/recursos...education/Intelligent-tutoring.html">http://www.nib.unicamp.br/recursos...education/Intelligent-tutoring.html</a>	
MUBA		"WITS: A Reusable Architecture for a VR-Based ITS" at <a href="http://advleam.lrdc.pitt.edu/its-arch/papers/am.html">http://advleam.lrdc.pitt.edu/its-arch/papers/am.html</a>	
MUBA		"Brainmaker" at <a href="http://www.nplec.on.ca/~echoscan/28-04.htm">www.nplec.on.ca/~echoscan/28-04.htm</a>	
MUBA		"News for ESAP" at <a href="http://www.hops.wharton.upenn.edu/~esap/news.html">www.hops.wharton.upenn.edu/~esap/news.html</a>	
MUBA		"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	
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MUBA		"Microworlds and Simuworlds: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49	
MUBA		"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
MUBA		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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Group Art Unit: 3713 212  
Examiner Name: m. HOCMEZ  
Attorney Docket Number: 05222.00175



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<del>MBR</del>		US-5,974,446	10/26/1999	Sonnenreich, et al.	
<del>MBR</del>		US- 5,987,443	11/16/1999	Nichols, et al.	
<del>MBR</del>		US- 6,003,021	12/14/1999	Zadik, et al.	
<del>MBR</del>		US- 6,015,348	01/8/2000	Lambright, et al.	
<del>MBR</del>		US- 6,016,486	01/18/2000	Nichols	
<del>MBR</del>		US- 6,018,730	01/25/2000	Nichols, et al.	
<del>MBR</del>		US- 6,018,731	01/25/2000	Bertrand, et al.	
<del>NVED</del>		US- 6,018,732	01/25/2000	Bertrand, et al.	
<del>MBR</del>		US- 6,023,691	02/08/2000	Bertrand et al.	
<del>NBCH</del>		US- 6,023,692	02/08/2000	Nichols	
<del>MBR</del>		US- 6,026,386	02/15/2000	Lannert, et al.	
<del>MBR</del>		US- 6,029,156	02/22/2000	Lannert, et al.	
<del>MBR</del>		US- 6,029,158	02/22/2000	Bertrand, et al.	
<del>MBR</del>		US- 6,029,159	02/22/2000	Zorba, et al.	
<del>MBR</del>		US- 6,032,141	02/29/2000	O'Connor, et al.	
<del>MBR</del>		US- 6,064,998	05/16/2000	Zabloudil, et al.	
<del>MBR</del>		US- 6,067,537	05/23/2000	O'Connor, et al.	
<del>MBR</del>		US- 6,067,538	05/23/2000	Zorba, et al.	
<del>MBR</del>		US- 6,073,127	06/06/2000	Lannert, et al.	
<del>MBR</del>		US- 6,085,184	07/04/2000	Bertrand, et al.	

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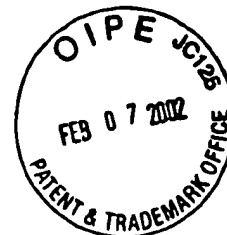
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MBAH		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence In Education, pp. 307-314, Aug. 1995	
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MBAH		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
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MBAH		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Management Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
MBAH		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

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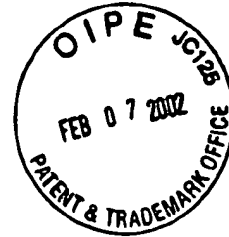
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Examiner Signature	<i>[Signature]</i>	Date Considered	07/25/05
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,713

Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: 3940-2121

Examiner Name: ~~Mr.~~ M. HOCMES

Attorney Docket Number: 05222.00175



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Sheet 0 of 1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
MUBA		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
MUBA		"Interface design issue for advising giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
MUBA		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997	
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MUBA		"Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,713

Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: 2121

Examiner Name: M. HUGHES

Attorney Docket Number: 05222.00175

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MBAL		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
MBAL		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934613-51-8.asp	
MBAL		"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(2) pp. 39-50, Dec. 1997	
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MBAL		"An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9, Sep. 1997.	
MBAL		"Simulation Technology and Parallelism in Learning Environments" at <a href="http://www.to.uvriente.nl/prj/mlr/Book/chapter1.htm">http://www.to.uvriente.nl/prj/mlr/Book/chapter1.htm</a>	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,713

Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: 3719 2121

Examiner Name: ~~aka~~ M. HOCMES

Attorney Docket Number: 05222.00175



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MBAI		"Engines for Education" URL: <a href="http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html">http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html</a> ; viewed Feb. 15, 1999.	
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MBAI		"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
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MBAI		Multimedia Training "Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20 No. 3, pp. 22-26	
MBAI			
MBAI		"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
MBAI		"Decision Pro3.0" at <a href="http://www.vanguardsw.com/">www.vanguardsw.com/</a>	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**Application Number : 09/868,713**

**Filing Date: 02/08/1999**

**First Named Inventor:** Bertrand

Group Art Unit: ~~3713~~ 2121

Examiner Name: *W. M. Hoffmeyer*  
Attorney Docket Number: 05222.00175



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MEBA		"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997	
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MEBA		"Automate Your Business Plan" at <a href="http://www.business-plan.com/screen2.html">www.business-plan.com/screen2.html</a>	
MEBA		"Kiplinger TaxCut Press Releases" at <a href="http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html">http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html</a>	
MEBA		"TurboTax Deluxe Product Information" at <a href="http://www.intuit.com/turbotax/prodinfo/ttdlx.html">http://www.intuit.com/turbotax/prodinfo/ttdlx.html</a>	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number : 09/868,713

Filing Date: 02/08/1999

First Named Inventor: Bertrand

Group Art Unit: ~~3946~~ 2121

Examiner Name: ~~n/a~~ M. HOLMES

Attorney Docket Number: 05222.00175



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MBA		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
MBA		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

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